

Title (en)  
NASAL CONTINUOUS POSITIVE AIRWAY PRESSURE DEVICE AND SYSTEM

Title (de)  
NAsALES KONTINUIERLICHES POSITIVES ATEMWEGSDRUCK-SYSTEM UND VORRICHTUNG

Title (fr)  
DISPOSITIF ET SYSTEME D'APPORT DE PRESSION POSITIVE CONTINUE AUX VOIES NAsALES

Publication  
**EP 1954338 A4 20130403 (EN)**

Application  
**EP 06838530 A 20061129**

Priority  
• US 2006045616 W 20061129  
• US 29388305 A 20051202

Abstract (en)  
[origin: WO2007064668A2] An nCPAP device including a generator body defining first and second fluid flow circuits each including a tube and first and second nozzles. The tube defines a passageway forming an axial centerline. The first and second nozzles are associated with the tube and each defines an inlet and an outlet. The inlets are open to a fluid supply, whereas the outlets are open to the passageway. Each nozzle is adapted to emit a fluid jetstream from the outlet along a flow direction axis. The nozzles are arranged such that the flow direction axes are non-parallel relative to each other and relative to the axial centerline. This configuration readily induces vortex shedding during an expiratory phase, thus facilitating jet fluid flow disruption and reducing a patient's work of breathing.

IPC 8 full level  
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**A61M 16/0683** (2013.01 - EP US); **A61M 2206/16** (2013.01 - EP US)

Citation (search report)  
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• [A] US 5193532 A 19930316 - MOA CONNY P G [SE], et al  
• [A] US 4681100 A 19870721 - BRYCHTA ONDREJ [CS], et al  
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• See references of WO 2007064668A2

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EP 1954338 A4 20130403; EP 1954338 B1 20140730; EP 2792381 A1 20141022; EP 2792381 B1 20160914; EP 3150247 A1 20170405;  
ES 2606953 T3 20170328; JP 2009520514 A 20090528; JP 5133256 B2 20130130; MX 2008007003 A 20081023; RU 2008126899 A 20100110;  
RU 2420325 C2 20110610; US 10143813 B2 20181204; US 2007125379 A1 20070607; US 2009301495 A1 20091210;  
US 2013327334 A1 20131212; US 2016045692 A1 20160218; US 7578294 B2 20090825; US 8534286 B2 20130917; US 9168346 B2 20151027;  
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MX 2008007003 A 20061129; RU 2008126899 A 20061129; US 201313967222 A 20130814; US 201514923238 A 20151026;  
US 29388305 A 20051202; US 54714009 A 20090825; ZA 200804775 A 20061129